Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-23 (Canceled):

24 (Currently Amended): An imaging apparatus having an imaging unit which forms an object image[[,]] and generates an image by photoelectric conversion, a generator which generates a single image from a plurality of images obtained by the imaging unit, and a storage unit which stores the image obtained by the generator in a storage medium, said apparatus comprising:

a detector, arranged to detect spatial frequency characteristics of a plurality of color components of the image obtained by the imaging unit; [[and]]

a controller, arranged to designate the data format and control supply of an image to the storage unit in correspondence with the detected spatial frequency characteristics; and

a shift unit, arranged to shift the plurality of images obtained by the imaging unit with respect to each other,

wherein said shift unit changes a shift amount in correspondence with a result of comparison between the spatial frequency characteristics of the plurality of color components of the image detected by said detector.

25 (Canceled):

26 (Previously Presented): The apparatus according to claim 24, wherein said detector detects high-frequency components of the plurality of color components of the image obtained by the imaging unit.

27-29 (Canceled):

30 (Currently Amended): An imaging method for an imaging apparatus having an imaging unit which forms an object image[[,]] and generates an image by photoelectric conversion, a generator which generates a single image from a plurality of images obtained by the imaging unit ~~by a plurality of shifts~~, and a storage unit which stores the image obtained by the generator in a storage medium, the method comprising the steps of:

detecting spatial frequency characteristics of a plurality of color components of the image obtained by the imaging unit; [[and]]

designating the data format and controlling supply of an image to the storage unit in correspondence with the detected spatial frequency characteristics; and

shifting the plurality of images obtained by the imaging unit with respect to each other,

wherein said shifting step changes a shift amount in correspondence with a result of comparison between the spatial frequency characteristics of the plurality of color components of the image detected in said detecting step.

31 (Currently Amended): A computer program product stored on a computer readable medium comprising computer program code, for executing imaging processing of an imaging apparatus having an imaging unit which forms an object image[[,]] and generates an image by photoelectric conversion, a generator which generates a single image from a plurality of images obtained by the imaging unit, and a storage unit which stores the image obtained by the generator in a storage medium, the method comprising the steps of:

detecting spatial frequency characteristics of a plurality of color components of the image obtained by the imaging unit; [[and]]

designating the data format and controlling supply of an image to the storage unit in correspondence with the detected spatial frequency characteristics; and

shifting the plurality of images obtained by the imaging unit with respect to each other,

wherein said shifting step changes a shift amount in correspondence with a result of comparison between the spatial frequency characteristics of the plurality of color components of the image detected in said detecting step.

32-34 (Canceled):

35 (Currently Amended): The imaging apparatus according to claim 24, wherein each of [[the]] pixels of the imaging unit corresponds to one of the plurality of color components in such a manner that resolutions of the pixels corresponding to the plurality of color components are not the same.

36 (Previously Presented): The imaging apparatus according to claim 35, wherein said shift unit sets the shift amount in accordance with the resolution of the pixels corresponding to a color component having a largest high-frequency component among the plurality of color components.